

VEHICLE COLLISION STATE DETECTING DEVICE

ABSTRACT OF THE DISCLOSURE

A vehicle collision state detecting device is configured to provide an extremely effective collision protection by identifying a wide range of collision states. The vehicle collision state detecting device basically comprises a front vehicle structural section, a tension member, left and right tensile force sensors and a collision state identifying section. The front vehicle structural section has a predetermined collision collapsing characteristic. The tension member has a prescribed initial tensile force extending in a width-wise direction of the front vehicle structural section. The tensile force sensors measure left and right tensile forces of the tension member. The tension member and the tensile force sensors form a collision sensing device in one possible embodiment. The collision state identifying section identifies a collision state of the vehicle. At least one passenger restraining device is activated differently depending on the detected collision state identified by the collision state identifying section.